cc3310 Carrier Grade Server Software & Setup Reference Guide

Mfg. P/N: A9862-96005

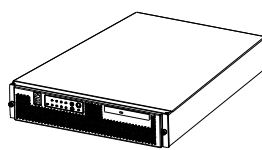*A9862-96005*

Start Here

Thank you for buying a Hewlett Packard cc3310 Carrier Grade Server. The following information will help you set up your server.

Expanded installation instructions and complete product information are available on the *hp server cc3310 user information diagnostics and utilities resource* CD, which has been provided with your cc3310 server.
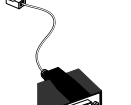
Before you Begin
You will need the following tools and equipment:

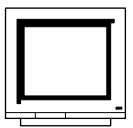**Box Contents**

Server

AC Power Cable (DC Cable Optional)
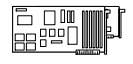

PS/2 'Y' Cable

Serial Adapter Cable
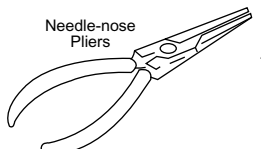

Resource CD

Documentation
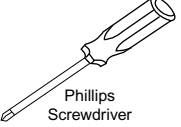
Supplied by Customer
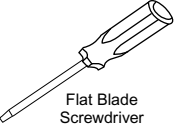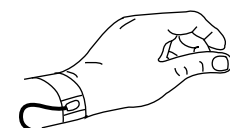

Monitor

Keyboard

Mouse

Additional I/O Cards

Operating System

Needle-nose Pliers

Phillips Screwdriver

Flat Blade Screwdriver

Antistatic Wrist Strap

Attach wrist strap to chassis ground (any unpainted metal surface) on the server

If you are not familiar with ESD (Electrostatic Discharge) procedures to be used during system configuration, complete ESD procedures are described in your *cc3310 Product Guide*.

Resource CD Contents

HP Server cc3310 User Information Diagnostics and Utilities Resource CD

The resource CD is a dual-boot CD. CD contents for each boot option are listed below:

1. Online Boot: Insert CD while the operating system (OS) is running. After the CD loads, the following tabs are available:
- **Server:** Brief description of the cc3310
- **Utilities:** Floppy creation utilities for SSU and diagnostics
- **Management SW:** ISM/TAM loader software/documentation
- **Documentation:** Related product information plus Acrobat® Reader
- **I/O Information:** Add-on I/O documentation
- **Training:** Product training
- **Help:** Navigation help for the resource CD

2. Offline Boot: Boot from CD after hardware reset. After the CD boots, a wizard is launched that allows access to the following utilities:
- **Service Partition Administration Utility**
- **System Setup Utility (SSU)**
- **FRU/SDR Loader Utility**
- **Diagnostics**

1 Setting up the Hardware

A) Carefully unpack the server. Save all packing materials in case the server needs to be shipped at a later time.

B) Add additional hardware/cards, if desired. Refer to the *cc3310 Product Guide* for further information.

C) Connect the keyboard/mouse PS/2 'Y' cable to the server.

D) Connect the keyboard and mouse cables to the PS/2 'Y' cable.

E) Connect the video monitor cable.

F) If you are using a serial console, connect the serial adapter cable to the rear RJ-45 port and turn on console redirect. Refer to the *cc3310 Product Guide* for further information.

G) Connect AC or DC power. Make sure that the power service connection is through a properly grounded outlet. Refer to the *hp server cc3310 user information diagnostics and utilities resource* CD for additional information.

H) You are now ready to apply power and install the Operating System (OS).

Front View cc3310 Server

Front View cc3310 Server with Bezel Removed

Power Switch
Peripheral Bay
Reset Switch
Front Panel Control Switches and Status LEDs
RJ45 COM2 and Dual USB Connectors

Drive Bay 2
Drive Bay 2 SCSI Connector Engagement Lever
Drive Bay 1
Drive Bay 1 SCSI Connector Engagement Lever

Rear View cc3310 with DC Power Supply

Low Profile PCI Card Slots
Full Height PCI Card Slots
DC Power Supply
Optional Power Supply

1 2 3 4 5 6 7 8 9

To Serial Console

Monitor

Keyboard

Mouse

Rear View cc3310 with AC Power Supply
Optional Power Supply

Rear Panel Connectors

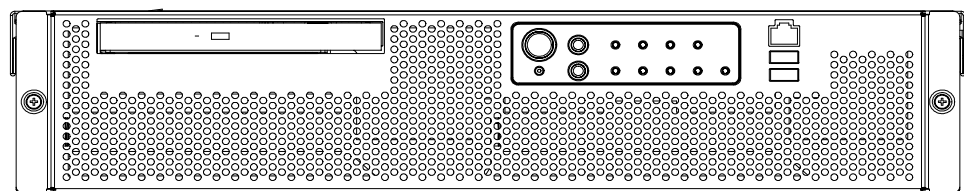| #	Connector	#	Connector	#	Connector
1	USB 1	4	RJ-45 NIC 2	7	RJ-45 Serial 2
2	Video	5	RJ-45 NIC 1	8	USB 2
3	U-320 SCSI	6	PS/2 mouse/keyboard	9	DB15 Alarm

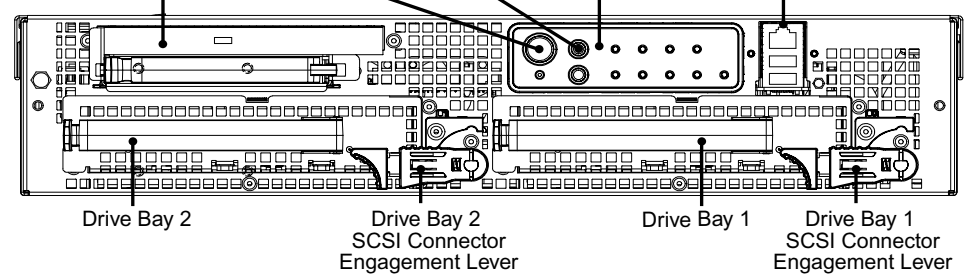## 2 Installing an Operating System

What's Needed
- *hp server cc3310 user information diagnostics and utilities resource* CD.
- Operating System (OS) Media for the OS to be installed.
- *OS Support Notes* for the selected OS. *OS Support Notes* can be found at http://www.docs.hp.com (search for cc3310) and on the *hp server cc3310 user information diagnostics and utilities resource* CD.
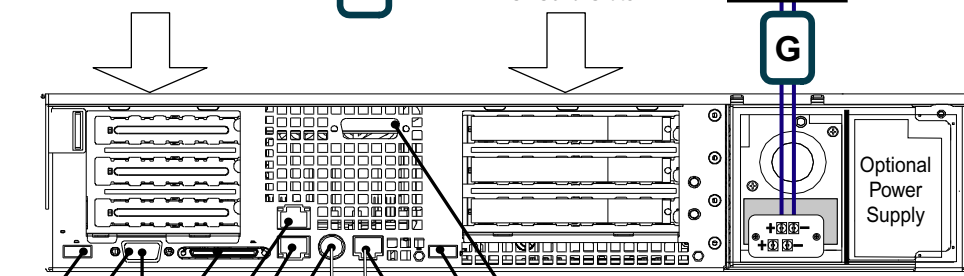
Note: Microsoft® Windows® 2000 Advanced Server (AS) and Windows 2003 AS will require a unique "user developed and customized " installation CD.
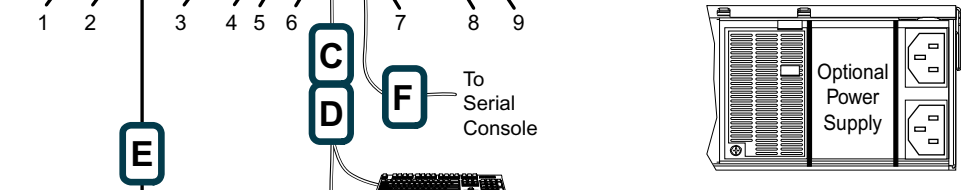
What to Do
Install the OS as instructed in the Support Notes for your OS. Specific actions will vary, depending on the selected OS.

Important Product Information

Hardware Information
1. The system Sensor Data Records (SDR) must be reprogrammed every time a configuration change is made to the hardware (memory, hard drives, power supplies, field replaceable units, etc.). Failure to reprogram the SDR could result in NO alarms when a critical system failure occurs or invalid alarms when NO failure occurs.
2. When installing memory, you must adhere to the memory configuration requirements and to the proper loading sequence. Refer to the cc3310 Product Guide for additional information.
3. Systems are shipped with the service partition installed on the internal boot drive. The service partition contains utilities, diagnostics, and other support software.
4. Installing a service partition will remove any previously installed OS.
5. The fault lights of the TAM display are factory-configured with North American settings. Refer to the cc3310 Product Guide for instructions to reconfigure this display.
6. Only the NIC 1 port (lower port at rear) can be used with the Intel Service Manager (ISM).
7. One RJ-45 to DB9 serial connector is shipped with each server. Use this connector for the rear RJ-45 port. A different and unique interface (pin-out) is required for use with the front RJ-45 port.

Linux Information
1. If you will be using a USB floppy drive, install the drive before installing Linux.
2. Install all SCSI controllers before installing a Linux OS.
3. Linux will change the boot order when a new SCSI controller is installed.
4. Linux must always be installed on the first hard drive of the system (first drive, channel b, internal SCSI interface).

Windows Information
1. A "user developed and customized" CD is required before Windows 2000 AS and Windows 2003 AS can be installed. Instructions on how to build this CD can be found at "Operating System (OS) Support Notes for Windows 2000 Advanced Server on hp cc3310" or "Operating System (OS) Support Notes for Windows 2003 Advanced Server on hp cc3310" at http://www.docs.hp.com (search for cc3310) and on the *hp server cc3310 user information diagnostics and utilities resource* CD.

Need More Info?

Memory Loading Requirements and unique SCSI Addressing are described in the cc3310 Product Guide. The cc3310 Product Guide is provided on the resource CD.

The following web sites provide additional information and documentation about this server along with the latest downloadable firmware. Perform a keyword search on cc3310 at the following URLs:

http://www.hp.com/
for product information

http://docs.hp.com/
for additional documentation

http://www.software.hp.com/
for any available downloadable drivers, firmware or BIOS updates

You can also search HP's Support web site for information about the server or supported operating systems.

http://www.itrc.com/